AMENDMENTS TO THE CLAIMS

Following is a complete and revised listing of the claims, marked with status identifiers in parentheses, underlines indicating insertions, and strikethroughs or double-brackets indicating deletions. This listing is to replace all prior listings of the claims.

1. **(Currently Amended)** A procedure for the control of a respirator device, in which one can set at least two different pressure levels for a breathable gas supply, comprising:

capturing at least three parameters by measurement technique ; and

evaluating the at least three parameters , wherein at least three of the parameters are modified as a function of a pattern recognition and wherein, in order to carry out the pattern recognition, a time-wise evolution of a pattern of at least three parameters is captured, at least at intervals, and is analyzed with respect to typical evolution patterns, and wherein the respirator device is controlled in an adaptive manner such that time-wise evolution of the at least three parameters maintain, at most, a predefined maximum difference from the typical evolution patterns, ~~and~~ wherein the at least three parameters include respiratory pressure, respiratory flow, and respiratory impedance, and wherein a CPAP respirator treatment is carried out.

2. **(Previously Presented)** A procedure according to claim 1, wherein an existing pressure level for breathing support is overlaid, at least temporarily, with a stimulating stream oscillating at a defined frequency.

3. **(Previously Presented)** A procedure according to claim 1, wherein after a selective evaluation of an oscillatory pressure amplitude, occurring with a frequency of a

stimulating stream in the air delivery of a patient, corresponding to a breathing resistance of the patient, a selection of the respective pressure amplitude is carried out.

4. **(Cancelled)**.

5. **(Previously Presented)** A procedure according to claim 3, wherein at least one electrical signal is evaluated during the pattern recognition.

6. **(Previously Presented)** A procedure according to claim 1, wherein a physical signal is evaluated during the pattern recognition.

7. **(Previously Presented)** A procedure according to claim 3, wherein a derivation of classes of errors is implemented in a context of the pattern recognition.

8. **(Previously Presented)** A procedure according to claim 1, wherein an OPS signal (Oscillating Pressure Signal) is evaluated.

9. **(Previously Presented)** A procedure according to claim 1, wherein a static pressure signal is evaluated.

10. **(Previously Presented)** A procedure according to claim 1, wherein a pressure variation is evaluated.

11. **(Previously Presented)** A procedure according to claim 1, wherein a flow signal is evaluated.

12. **(Previously Presented)** A procedure according to claim 1, wherein a signal proportional to at least one of the flow signal and a pressure-dependent signal is evaluated.

13. **(Previously Presented)** A procedure according to claim 1, wherein an electrical-drive parameter of the compressed-gas supply is evaluated.

14. **(Previously Presented)** A procedure according to claim 1, wherein, in the pattern recognition, distinctive form features are evaluated.

15. **(Previously Presented)** A procedure according to claim 1, wherein, in the pattern recognition, distinctive time features are evaluated.

16. **(Previously Presented)** A procedure according to claim 1, wherein, following the pattern recognition, a class assignment is carried out.

17. **(Currently Amended)** An apparatus for monitoring at least three parameters in the breathing-gas supply to a patient, comprising:

at least two sensors for the capture of time-wise evolution of the respirator- parameters, which sensors are arranged in the area of an air delivery, which encompasses a respirator device as well as a connecting installation; wherein the sensors are connected to an analyzer which carries out a pattern recognition and which is attached to a control for the modification of at least three parameters, and wherein a time-wise evolution of a pattern of at least three parameters is captured, at least at intervals, and is analyzed with respect to typical evolution patterns, and wherein the respirator device is controlled in an adaptive manner such that time-wise evolution of the at least three parameters maintain, at most, a predefined maximum difference from the typical evolution patterns, ~~and~~ wherein the at least three parameters include respiratory pressure, respiratory flow, and respiratory impedance, and wherein the analyzer for pattern recognition is designed as part of a respirator device for the implementation of CPAP respirator treatment.

18. **(Previously Presented)** An apparatus according to claim 17, wherein the analyzer is coupled to a storage for the supply of comparative patterns.

19. **(Previously Presented)** An apparatus according to claim 17, wherein the analyzer is coupled with a classifier.

20. **(Previously Presented)** An apparatus according to claim 17, wherein the analyzer features a time-wise evolution analyzer.

21. **(Previously Presented)** An apparatus according to claim 17, wherein the analyzer features a form analyzer.

22. **(Cancelled)**.

23. **(Previously Presented)** An apparatus according to claim 17, wherein the analyzer features a storage for at least one measured variable.

24. **(Previously Presented)** An apparatus according to claim 17, wherein the control features an adaptation element for implementing a pressure modification as a function of the stored measured-variable.

25. **(Previously Presented)** An apparatus according to claim 17, wherein the analyzer features at least one storage for data of a patient population.

26. **(Previously Presented)** An apparatus according to claim 17, wherein the control features an adaptation element for the implementation of a pressure modification as a function of the stored information on the patient population.

27. **(Previously Presented)** An apparatus according to claim 17, wherein the analyzer is provided with a neuron network.

28. **(Previously Presented)** An apparatus according to claim 17, wherein the analyzer is provided with fuzzy logic.

29. **(Previously Presented)** An apparatus according to claim 17, wherein the sensor is connected to at least one scanning element.

30. **(Previously Presented)** An apparatus according to claim 29, wherein the scanning element is connected to a band pass filter.

31. **(Previously Presented)** An apparatus according to claim 30, wherein the band pass filter is designed as a digital filter.

32. **(Previously Presented)** An apparatus according to claim 17, wherein the control is a generator for the production of receptor-stimulating pressure signals.

33. **(Previously Presented)** An apparatus according to claim 17, wherein the analyzer features separate evaluations for inspiration- and for expiration- pressure readings.

34. **(Previously Presented)** An apparatus according to claim 33, wherein different pressure-control characteristics are provided for inspiration- and expiration- pressure readings.